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TECHNICAL DATA SHEET // ACCESSORIES

CoolX PIR Adhesive

لاصق CoolX – PIR

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01 Technical data sheet

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DOCUMENT

3 pages, extracted from:
Technical Submittal - WellWall Phenolic Pre-Insulated Duct, p. 12–13
Revision 01 · October 2026

CONTACT · REQUEST A QUOTE

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Data supplied for submittal and specification purposes. Values are nominal; confirm project-specific requirements with Tawreed before ordering.

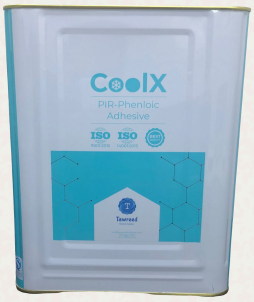
COOLX Industrial

TECHNICAL DATA SHEET

CoolX PIR Adhesive		
Revision Date : 12 Nov 2022	Revision No. 1	Number of Pages : 2

PRODUCT DESCRIPTION

CoolX PIR Adhesive is a premium quality; SBS Polymer-based adhesive. It is recommended for PIR bonding with varieties of Foams and Metal substrates in a pre-insulated duct system. It is recommended for HVAC application.



TECHNICAL PROPERTIS

Properties	Test Method	Unit	Specifications
Color	Lab Test	Visually	Yellow
Appearance	Lab Test	Visually	Liquid
Open Time	Lab Test	Min	3 – 5
Drying Time	Lab Test	Min	15 – 20
Specific Gravity	ASTM D 1475	g/cm^3	0.90 ± 0.5
Viscosity @ 25°C, S3, rpm-20	ASTM D 2196	cPs	500 – 650
Solid Content	ASTM D 1644	%	42± 3
Service Temp.	Lab Test	°C	-4 to 95
Full Cure Time	Lab Test	Hours	24
Shelf Life	Lab Test	Month	12
Coverage (0.1-0.2mm wet film thickness)	Lab Test	m^2/L	15
Flammability	ASTM D 3278		Flammable (wet product)

Note:
** Curing time (Skin Over Time & Tack Free Time) may vary depending on climatic condition during application.*
** Information on this data sheet is subject to change without prior notice and should not be used for writing specifications*

TYPICAL USES

- Can be used on Aluminum substrates and wide varieties of foams except Phenolic & Polystyrene.
- Recommended for HVAC applications.
- Duct insulation (nitrile rubber to metal)

KEY FEATURES

- Chemical Resistance
- Bonds multiple substrates
- Fast Drying Formula
- High-strength

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COOLX Industrial

CURING MECHANISM	**CoolX PIR Adhesive** cures by allowing solvent to evaporate in normal atmospheric conditions.
PACKING	**CoolX PIR Adhesive** is available in 16 Liter can.
PREPARATION	All surface must be clean, dry and free from dust, paint, loose material, oil, grease, sealers, curing compounds, waxes and all contaminations.
APPLICATION INSTRUCTION	Application surface should be dry and dust, rust, and grease-free. Stir well before use. Apply a uniform coat on both surfaces and wait for 5-6 minutes for adhesive to become tacky. Stick both surfaces applying pressure with an appropriate pressing tool.
COLORS	**CoolX PIR Adhesive** is available in Yellow color. Other colors such as Green, Black and Blue are available upon request.
STORAGE AND SHELF LIFE	Should be stored tightly closed and away from direct sunlight in a cool, well-ventilated area between 5°C to 38°C. Close container tightly when not in use. Store away from ignition sources. Stirring required before use and if the product become very cold. Dolphin PIR Adhesive has a shelf life of 12 months from date of manufacturing.
HEALTH AND SAFETY	The product is flammable. Keep it away from heat, sparks, open flame and other ignition source as vapors may ignite explosively. Use only in well ventilated areas. The product should not be swallowed or allowed to come in contact skin and eyes. Use of suitable protective gloves and goggles is advisable. If eyes are affected with adhesive, rinse it with excess amount of clean fresh water and seek for medical advice. If swallowed, seek medical attention immediately and do not induce vomiting help.

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